



County of San Diego

DEPARTMENT OF PUBLIC WORKS

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April 14, 2008

CEQA Initial Study - Environmental Checklist Form (Based on the State CEQA Guidelines, Appendix G Rev. 10/04)

1. Title:

Tavern Road Drainage Improvement Project; PWR-1010343

2. Lead agency name and address:

County of San Diego, Department of Public Works
5469 Kearny Villa Road, Suite 305
San Diego, CA 92123

3. a. Contact Lorrie Bradley, Environmental Planner
b. Phone number: (858) 874-4055
c. E-mail: Lorrie.Bradley@sdcounty.ca.gov.

4. Project location:

The proposed project is located at the intersection of Tavern Road and Arnold Way, within the Alpine Community Planning Area, an unincorporated portion of San Diego County.

Thomas Brothers Coordinates: Page 1234, Grid A-6

5. Project Applicant name and address:

County of San Diego, Department of Public Works
Capital Improvement Project Development
5555 Overland Drive, M.S. O340
San Diego, CA 92123

6. General Plan Designation

Community Plan: Alpine
Land Use Designation: N/A

7. Zoning
Use Regulation: N/A
Minimum Lot Size: N/A
Special Area Regulation: N/A

8. Description of project

The proposed project is replacement and improvement of the drainage facilities at the intersection of Tavern Road and Arnold Way to accommodate the 100-year storm flows. The current drainage facility consists of one corrugated metal pipe (CMP), which is 66" by 45"; which will be replaced by a six foot (6') x three foot (3') double box culvert approximately 127 feet in length. The culvert will also be extended to accommodate the widths of the road required by the GP2020 classification. Other aspects of the project include replacement of the curb and sidewalk, replacement of the headwalls, addition of a guardrail along the northeast and northwest corners of the intersection, the addition of a rip rap energy dissipator at the outfall of the box culvert, and some minor grading. The project will provide for two temporary construction entrances. One for the western (downstream) portion of the project located on the west side of Tavern Road and north of the channel, adjacent to the parking lot of an existing commercial building and one for the eastern (upstream) portion east of Tavern Road and north of the channel, adjacent to the parking lot of the neighboring church. Each construction entrance will be 750 square feet in size.

Project will be constructed in two phases for traffic control. The west side (downstream) side of tavern will be closed to install the first half of the project, while keeping two lanes of traffic open (one for each direction) on the east side. Phase 2 will consist of the opposite. The construction area will be protected by K-Rail, and the lanes will be created by temporary striping, cones, and signage.

In addition, the project will require the acquisition of drainage and temporary construction easements from the properties on the upstream and downstream sides of the proposed culvert.

9. Surrounding land uses and setting:

Surrounding land uses near the area of the proposed culvert replacement and drainage improvement project include commercial to the west and northwest, a church to the north, and residential to the east and south. Topography onsite is relatively flat. A vegetated channel is located downstream of the proposed project area with oak riparian forest.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):

<u>Permit Type/Action</u>	<u>Agency</u>
401 Permit - Water Quality Certification	Regional Water Quality Control Board (RWQCB)
404 Permit – Dredge and Fill	US Army Corps of Engineers (ACOE)
1602– Streambed Alteration Agreement	CA Department of Fish and Game (CDFG)
General Construction Stormwater Permit	RWQCB

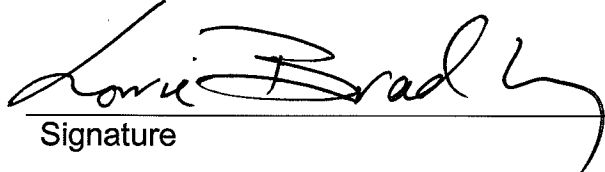
ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED: The environmental factors checked below would be potentially affected by this project and involve at least one impact that is a "Potentially Significant Impact" or a "Less Than Significant With Mitigation Incorporated," as indicated by the checklist on the following pages.

- | | | |
|---|--|--|
| <input type="checkbox"/> <u>Aesthetics</u> | <input type="checkbox"/> <u>Agricultural Resources</u> | <input type="checkbox"/> <u>Air Quality</u> |
| <input checked="" type="checkbox"/> <u>Biological Resources</u> | <input type="checkbox"/> <u>Cultural Resources</u> | <input type="checkbox"/> <u>Geology & Soils</u> |
| <input type="checkbox"/> <u>Hazards & Haz. Materials</u> | <input type="checkbox"/> <u>Hydrology & Water Quality</u> | <input type="checkbox"/> <u>Land Use & Planning</u> |
| <input type="checkbox"/> <u>Mineral Resources</u> | <input type="checkbox"/> <u>Noise</u> | <input type="checkbox"/> <u>Population & Housing</u> |
| <input type="checkbox"/> <u>Public Services</u> | <input type="checkbox"/> <u>Recreation</u> | <input type="checkbox"/> <u>Transportation/Traffic</u> |
| <input type="checkbox"/> <u>Utilities & Service Systems</u> | <input type="checkbox"/> <u>Mandatory Findings of Significance</u> | |

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- ☐ On the basis of this Initial Study, the Department of Planning and Land Use finds that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☒ On the basis of this Initial Study, the Department of Planning and Land Use finds that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☐ On the basis of this Initial Study, the Department of Planning and Land Use finds that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.


Signature

Lorrie Bradley
Printed Name

April 14, 2008
Date

Land Use/Environmental Planner
Title

I. AESTHETICS -- Would the project:

a) Have a substantial adverse effect on a scenic vista?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

A vista is a view from a particular location or composite views along a roadway or trail. Scenic vistas often refer to views of natural lands, but may also be compositions of natural and developed areas, or even entirely of developed and unnatural areas, such as a scenic vista of a rural town and surrounding agricultural lands. What is scenic to one person may not be scenic to another, so the assessment of what constitutes a scenic vista must consider the perceptions of a variety of viewer groups.

The items that can be seen within a vista are visual resources. Adverse impacts to individual visual resources or the addition of structures or developed areas may or may not adversely affect the vista. Determining the level of impact to a scenic vista requires analyzing the changes to the vista as a whole and also to individual visual resources.

No Impact: The project site is located at the intersection of two busy roads: Tavern Road and Arnold Way. Based on a site visit by County staff environmental planner, Lorrie Bradley on February 8, 2008, the proposed project is not located near or within, or visible from, a scenic vista and will not substantially change the composition of an existing scenic vista in a way that would adversely alter the visual quality or character of the view.

The proposed project is the replacement and improvement of an existing culvert beneath Tavern Road. The project will have minimal or no grading. The project is compatible with the existing visual environment in terms of visual character and quality because it involves the replacement of an existing facility. The existing culvert is located under Tavern Road, at the intersection with Arnold Way. The new culvert will be placed in the same location. The project site is completely developed with commercial and high density residential uses. Therefore, the proposed project will not have a substantial adverse effect on a scenic vista.

The project will not result in cumulative impacts on a scenic vista because the proposed project viewshed and past, present and future projects within that viewshed were evaluated to determine their cumulative effects. Refer to XVII. Mandatory Findings of Significance for a comprehensive list of the projects considered. Those projects listed in Section XVII are located within the project's viewshed and will not contribute to a cumulative impact because: the proposed project viewshed will be substantially the same as pre-project. In addition, the project or the adjacent uses are not located in an area that is part of a scenic vista or can be seen from a scenic vista. Therefore, the project will not result in adverse project or cumulative impacts on a scenic vista.

- b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

State scenic highways refer to those highways that are officially designated by the California Department of Transportation (Caltrans) as scenic (Caltrans - California Scenic Highway Program). Generally, the area defined within a State scenic highway is the land adjacent to and visible from the vehicular right-of-way. The dimension of a scenic highway is usually identified using a motorist's line of vision, but a reasonable boundary is selected when the view extends to the distant horizon. The scenic highway corridor extends to the visual limits of the landscape abutting the scenic highway.

No Impact: Based on a site visit completed by Lorrie Bradley, on February 8, 2008, the proposed project is not located near or visible within the composite viewshed of a State scenic highway and will not damage or remove visual resources within a State scenic highway. The project site is located at the intersection of Tavern Road and Arnold Way and cannot be seen from a scenic highway, as there no State scenic highways near the project site. Therefore, the proposed project will not have any substantial adverse effect on a scenic resource within a State scenic highway.

- c) Substantially degrade the existing visual character or quality of the site and its surroundings?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project does not propose any permanent visible alterations to the visual environment, including landform modification. The proposed project is the replacement and improvement of an existing culvert at the intersection of Tavern Road and Arnold Way. Therefore, the project will not alter the existing visual character or quality of the project site and surrounding area.

- d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project does not propose any use of outdoor lighting or building materials with highly reflective properties such as highly reflective glass or high-gloss surface colors. Therefore, the project will not create any new sources of light pollution that could contribute to sky glow, light trespass or glare and adversely affect day or nighttime views in area.

II. AGRICULTURAL RESOURCES -- Would the project:

- a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide or Local Importance (Important Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, or other agricultural resources, to non-agricultural use?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length. The new box culvert will be placed in the same location as the existing pipe culvert. The project site and surrounding area are developed with residential and commercial uses, and do not contain any active agricultural operations. There are no lands designated as Prime Farmland or Unique Farmland, as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency. However, the creek channel below the outlet of the existing and proposed culverts is labeled Farmland of Statewide or Local Importance. This designation is likely misapplied as a result of the large scale of the statewide mapping effort which assigns Farmland designations based on aerial photography and limited ground verification as the land in question is a small creek channel within an urban setting. There are no agricultural operations in this area. Therefore, no Prime Farmland, Unique Farmland, Farmland of Statewide or Local Importance, or active agricultural operations will be converted to a non-agricultural use.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less than Significant: The project site is zoned RU15 and C36, both of which allow for agricultural uses. However, the proposed project will not result in a conflict in zoning for agricultural use, because the project area is currently developed. The site is located within an existing intersection and is surrounded by residential and commercial uses; which are permitted uses within these zones. In addition, the project is the replacement of an existing drainage facility. Therefore, the project will not create a conflict with existing zoning for agricultural use. Additionally, there are no ongoing agricultural operations within the project site or its vicinity and the site is not under a Williamson Act Contract. Therefore, there will be no conflict with existing zoning for agricultural use, or a Williamson Act contract.

c) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Important Farmland or other agricultural resources, to non-agricultural use?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: As discussed in Section II (a) above, the proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length. The new box culvert will be placed in the same location as the existing pipe culvert. The project site and surrounding area are developed with residential and commercial uses, and do not contain any active agricultural operations. There are no lands designated as Prime Farmland or Unique Farmland, as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency. However, the creek channel below the outlet of the existing and proposed culverts is labeled Farmland of Statewide or Local Importance. This designation is likely misapplied as a result of the large scale of the statewide mapping effort which assigns Farmland designations based on aerial photography and limited ground verification as the land in question is a small creek channel. Therefore, no Prime Farmland, Unique Farmland, Farmland of Statewide or Local Importance, or active agricultural operations will be converted to a non-agricultural use.

III. AIR QUALITY -- Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:

- a) Conflict with or obstruct implementation of the San Diego Regional Air Quality Strategy (RAQS) or applicable portions of the State Implementation Plan (SIP)?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The project proposes development that was anticipated in SANDAG growth projections used in development of the RAQS and SIP. Construction of the project will result in temporary emissions of ozone precursors that were considered as a part of the RAQS. Once the construction phase has been completed, the project will not result in emissions. As such, the proposed project is not expected to conflict with either the RAQS or the SIP. In addition, the operational emissions from the project are below the screening levels, and subsequently will not violate ambient air quality standards.

- b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

In general, air quality impacts from land use projects are the result of emissions from motor vehicles, and from short-term construction activities associated with such projects. The San Diego County Land Use Environment Group (LUEG) has established guidelines for determining significance which incorporate the Air Pollution Control District's (SDAPCD) established screening-level criteria for all new source review (NSR) in APCD Rule 20.2. These screening-level criteria can be used as numeric methods to demonstrate that a project's total emissions (e.g. stationary and fugitive emissions, as well as emissions from mobile sources) would not result in a significant impact to air quality. Since APCD does not have screening-level criteria for emissions of volatile organic compounds (VOCs), the use of the screening level for reactive organic compounds (ROC) from the South Coast Air Quality Management District (SCAQMD) for the Coachella Valley (which are more appropriate for the San Diego Air Basin) are used.

Less Than Significant Impact: The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length. The new box culvert will be placed in the same location as the existing pipe culvert. However, grading operations associated with the construction of the project are minimal and would be subject to County of San Diego Grading Ordinance, which requires the implementation of dust control measures. Emissions from the construction phase would be minimal, temporary and localized, resulting in pollutant emissions below the screening-level criteria established by the LUEG guidelines for determining significance. In addition, the proposed project will not result in additional Average Daily Trips (ADTs). As such, the project will not violate any air quality standard or contribute substantially to an existing or projected air quality violation.

- c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

San Diego County is presently in non-attainment for the 1-hour concentrations under the California Ambient Air Quality Standard (CAAQS) for Ozone (O_3). San Diego County is also presently in non-attainment for the annual geometric mean and for the 24-hour concentrations of Particulate Matter less than or equal to 10 microns (PM_{10}) under the CAAQS. O_3 is formed when volatile organic compounds (VOCs) and nitrogen oxides (NO_x) react in the presence of sunlight. VOC sources include any source that burns fuels (e.g., gasoline, natural gas, wood, oil); solvents; petroleum processing and storage; and pesticides. Sources of PM_{10} in both urban and rural areas include: motor vehicles, wood burning stoves and fireplaces, dust from construction, landfills, agriculture, wildfires, brush/waste burning, and industrial sources of windblown dust from open lands.

Less Than Significant Impact: Air quality emissions associated with the project include emissions of PM_{10} , NO_x and VOCs from construction/grading activities. However, grading operations associated with the construction of the project are minimal and would be subject to County of San Diego Grading Ordinance; which requires the implementation of dust control measures. Emissions from the construction phase would be minimal, localized and temporary resulting in PM_{10} and VOC emissions below the screening-level criteria established by the LUEG guidelines for determining significance. In addition, the proposed project will not result in additional Average Daily Trips (ADTs).

Furthermore, a list of past, present and future projects within the surrounding area were evaluated and none of these projects emit significant amounts of criteria pollutants.

Refer to XVII. Mandatory Findings of Significance for a comprehensive list of the projects considered. The proposed project as well as the past, present, and future projects within the surrounding area, have emissions below the screening-level criteria established by the LUEG guidelines for determining significance. Therefore, the construction and operational emissions associated with the proposed project are not expected to create a cumulatively considerable impact nor a considerable net increase of PM₁₀, or any O₃ precursors.

d) Expose sensitive receptors to substantial pollutant concentrations?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Air quality regulators typically define sensitive receptors as schools (Preschool-12th Grade), hospitals, resident care facilities, or day-care centers, or other facilities that may house individuals with health conditions that would be adversely impacted by changes in air quality. The County of San Diego also considers residences as sensitive receptors since they house children and the elderly

Less Than Significant Impact:

The following sensitive receptors have been identified within a quarter-mile (the radius determined by the SCAQMD in which the dilution of pollutants is typically significant) of the proposed project: a school (Alpine Elementary School) and residential uses. However, this project does not propose uses or activities that would result in exposure of these identified sensitive receptors to significant pollutant concentrations and will not place sensitive receptors near carbon monoxide hotspots. In addition, the project will not contribute to a cumulatively considerable exposure of sensitive receptors to substantial pollutant concentrations because the proposed project as well as the listed projects have emissions below the screening-level criteria established by the LUEG guidelines for determining significance. Furthermore, once the replacement of the culvert is complete, the project will not produce any emissions.

e) Create objectionable odors affecting a substantial number of people?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The project could produce objectionable odors, which would result from volatile organic compounds, ammonia, carbon dioxide, hydrogen sulfide, methane, alcohols, aldehydes, amines, carbonyls, esters, disulfides, dust and

endotoxins during the construction phases; however, these substances, if present at all, would only be in trace amounts (less than $1 \mu\text{g}/\text{m}^3$). Subsequently, no significant air quality – odor impacts are expected to affect surrounding receptors. Moreover, the affects of objectionable odors are localized to the immediate surrounding area and will not contribute to a cumulatively considerable odor.

IV. BIOLOGICAL RESOURCES -- Would the project:

- a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

- | | |
|--|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input checked="" type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact with Mitigation Incorporated: Based on an analysis of the County's Geographic Information System (GIS) records, the County's Comprehensive Matrix of Sensitive Species, site photos, and a Biological Resources Report dated April 11, 2008 prepared by URS Corporation, it has been determined that the site, and surrounding area support native vegetation, namely, disturbed Coast Live Oak Woodland. In addition, two biologically sensitive plant species were identified: Engelmann oak and Coast live oak.

The project will result in impacts to 0.014 acre of coast live oak woodland habitat which includes construction activities under or adjacent to the dripline of nine (9) mature trees. Three (3) mature Coast live oak individual trees will be permanently removed as a result of project construction. No individual Engelmann oak trees will be impacted. Impacts to coast live oak woodland habitat will be mitigated at a 2:1 ratio. In addition, the permanently impacted oak will be replaced on site at a ratio of 3:1.

In addition, a raptor nest was identified in a eucalyptus tree approximately sixty feet (60') east of the area of potential impact (APE). However, no birds were seen using the nest during site surveys conducted on March 11, 2008, well into the raptor breeding season. If the nest becomes active, potential indirect impacts to the nest will be avoided by scheduling project implementation during the non-breeding bird season (August through January).

Furthermore, in order to be in compliance with the Migratory Bird Treaty Act and Fish and Game Code, any tree removal or ground disturbance during the breeding season will require a pre-disturbance nest survey to determine whether any active nests would be at risk during project implementation. If a nest site is determined to be active, then tree or vegetation removal must be postponed until after the young birds have left the nest.

The project is located within the County of San Diego's Multiple Species Conservation Program. The project has been designed to conform to the Subarea plan and all impacts will be mitigated in accordance with the Biological Mitigation Ordinance. No permanent adverse impacts are anticipated to any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service.

- b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service?

- | | |
|--|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input checked="" type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less than Significant with Mitigation Incorporated: The project site consists of an altered landscape where Alpine Creek has been channelized. Some native oak trees persist along the channel banks, while many non-native eucalyptus trees provide the dominant canopy cover. Other non-native ornamental trees and shrubs, and weeds are also present. The creek bed is scoured, and lacks vegetation. Vegetation communities, as defined by Holland, include disturbed coast live oak woodland, ornamental vegetation, and disturbed vegetation.

The disturbed coast live oak woodland is located to the west of Tavern Road directly adjacent to Arnold Way. This area consists of mature and sapling coast live oak trees (*Quercus agrifolia*) interspersed with disturbance-related species. The mature trees range in height from 15 to 40 feet, and the saplings are younger trees with a trunk diameter less than 4 inches at one meter above the ground. The understory consists of non-native ornamental or weedy herbaceous species, such as brome grass (*Bromus* sp.) and ice plant (*Carpobrotus edulis*). A mixture of non-native ornamental trees is present among the oaks, including gum trees (*Eucalyptus* sp.) and California pepper (*Schinus molle*). The disturbed coast live oak woodland expands into a larger less disturbed area to the west of the site, where the natural canyon broadens and adjacent development is further away from the active stream channel.

Implementation of the proposed project will result in impacts to 0.014 acre of Coast live oak woodland which includes construction activities under or adjacent to the dripline of 9 mature trees. Three (3) Coast live oak trees will be permanently removed as a result of project construction. No Engelmann oaks will be impacted. Impacts to coast live oak habitat will be mitigated at a 2:1 ratio. In addition, the permanently impacted oaks will be replaced on site at a ratio of 3:1.

The County will apply for permits to address these permanent and temporary impacts. These permits include a 1602 Streambed Alteration Agreement from CDFG, a 404

The County will apply for permits to address these permanent and temporary impacts. These permits include a 1602 Streambed Alteration Agreement from CDFG, a 404 Individual or Nationwide Permit from the ACOE, and a 401 Water Quality Certification from the Regional Water Quality Control Board (RWQCB).

- c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

- ☐ Potentially Significant Impact ☐ Less than Significant Impact
☒ Less Than Significant With Mitigation Incorporated ☐ No Impact

Discussion/Explanation:

Less than Significant with Mitigation Incorporated: Alpine creek channel on-site does not support wetland plant species or hydric soil types, but does form a water-eroded drainage channel within a well-defined bed and banks and Ordinary High Water Mark (OHWM). These areas lack wetland vegetation and soil types, but flowing water leaves a cut channel with steep banks. Implementation of the proposed project will permanently impact 0.013 acre of Army Corps of Engineers (ACOE) non-wetland waters and 0.023 acre of unvegetated streambed under the jurisdiction of the California Department of Fish and Game. Permanent will result from the construction of the concrete apron pad and riprap energy dissipators.

Channel Location	ACOE OWUS			CDFG Channel		
	Length (ft)	Width (ft)	Area (sq ft)	Length (ft)	Width (ft)	Area (sq ft)
East of Tavern Road	63	4	251	63	6	378
West of Tavern Road	126	2.5	315	126	5	630
Total Impacted	0.013			0.023		

Permanent impacts to 0.013 acre of ACOE Jurisdictional non-wetland waters and 0.023 acre of CDFG Jurisdictional unvegetated streambed will be mitigated at a ratio of 2:1, through the creation/enhancement of 0.026 acres and 0.046 acres, respectively, of an unvegetated portion of the channel upstream of the proposed project site or at another suitable location within the same watershed.

The project will not result in cumulative impacts to biological resources based on a review of past, present and future projects. Refer to Section XVII. Mandatory Findings of Significance for a comprehensive list of the projects considered. Those projects listed in Section XVII are located north and south of the project site along the drainage channel and do not propose impacts to coast live oak woodland habitats. All impacts resulting from the proposed project will be mitigated to a level below significance.

The County will apply for permits to address these permanent and temporary impacts. These permits include a 1602 Streambed Alteration Agreement from CDFG, a 404 Individual or Nationwide Permit from the ACOE, and a 401 Water Quality Certification from the RWQCB.

- d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less than Significant Impact: Based on an analysis of the County's Geographic Information System (GIS) records, the County's Comprehensive Matrix of Sensitive Species, site photos, a site visit by ESU staff biologist Lorrie Bradley on February 8, 2008, as well as a Biological Resources Report dated April 11, 2008 prepared by URS Corporation, it has been determined that the site has limited biological value and impedance of the movement of any native resident or migratory fish or wildlife species, the use of an established native resident or migratory wildlife corridors, and the use of native wildlife nursery sites would not be expected as a result of the proposed project for the following reasons: The portion of the channel at the project site is highly disturbed and does not have much, if any, vegetative cover. It functions primarily as a stormwater conveyance system, does not contain suitable habitat for fish, and use as a corridor is limited to urban adapted species (i.e. raccoon).

- e) Conflict with the provisions of any adopted Habitat Conservation Plan, Natural Communities Conservation Plan, other approved local, regional or state habitat conservation plan or any other local policies or ordinances that protect biological resources?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less than Significant Impact: The proposed project is located within the limits of the County of San Diego Multiple Species Conservation Program (MSCP). Based on the findings dated April 7, 2008, the project has been found in conformance with the Biological Mitigation Ordinance (BMO) and Subarea Plan. The proposed project will have no significant adverse effects on sensitive species and the County has made every effort to avoid impacts to sensitive resources. The project proposes to mitigate

for impacts at ratio of 2:1. Impacts will be mitigated in accordance with the no-net loss wetland standard. Therefore, the project will not result in significant impacts as a result of inconsistency with adopted plans, policies or ordinances that protect biological resources.

V. CULTURAL RESOURCES -- Would the project:

a) Cause a substantial adverse change in the significance of a historical resource as defined in 15064.5?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: Based on an analysis of County of San Diego archaeology resource files, archaeological records, maps, and aerial photographs by County of San Diego staff archaeologist, Gay Hilliard on March 19, 2008, it has been determined that the project site does not contain any historical resources. In addition, prior grading of the project site has eliminated any potential for impacts to historical resources. Therefore, the project would not result in impacts to historical resources.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to 15064.5?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: Based on an analysis of County of San Diego archaeology resource files, archaeological records, maps, and aerial photographs by County of San Diego staff archaeologist, Gay Hilliard, on March 19, 2008, it has been determined that the project site does not contain any archaeological resources. In addition, prior grading of the project site has eliminated any potential for impacts to buried archaeological resources.

c) Directly or indirectly destroy a unique geologic feature?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

San Diego County has a variety of geologic environments and geologic processes which generally occur in other parts of the state, country, and the world. However, some features stand out as being unique in one way or another within the boundaries of the County.

No Impact: The site does not contain any unique geologic features that have been listed in the County's Guidelines for Determining Significance for Unique Geology Resources nor does the site support any known geologic characteristics that have the potential to support unique geologic features. In addition, the project site has already been disturbed due to road construction associated with both Tavern Road and Arnold Way, installation of the existing drainage facility, and construction of the near by commercial and residential uses.

d) Directly or indirectly destroy a unique paleontological resource or site?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: A review of the County's Paleontological Resources Maps indicates that the project is located entirely on plutonic igneous rock and has no potential for producing fossil remains.

e) Disturb any human remains, including those interred outside of formal cemeteries?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: Based on an analysis of County of San Diego archaeology resource files, archaeological records, maps, and aerial photographs by County of San Diego staff archaeologist, Gay Hilliard, on March 19, 2008, it has been determined that the project will not disturb any human remains because the project site does not include a formal cemetery or any archaeological resources that might contain interred human remains. In addition, prior grading of the project site has eliminated any potential for the presence of interred human remains.

Discussion/Explanation:

San Diego County has a variety of geologic environments and geologic processes which generally occur in other parts of the state, country, and the world. However, some features stand out as being unique in one way or another within the boundaries of the County.

No Impact: The site does not contain any unique geologic features that have been listed in the County's Guidelines for Determining Significance for Unique Geology Resources nor does the site support any known geologic characteristics that have the potential to support unique geologic features. In addition, the project site has already been disturbed due to road construction associated with both Tavern Road and Arnold Way, installation of the existing drainage facility, and construction of the near by commercial and residential uses.

d) Directly or indirectly destroy a unique paleontological resource or site?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: A review of the County's Paleontological Resources Maps indicates that the project is located entirely on plutonic igneous rock and has no potential for producing fossil remains.

e) Disturb any human remains, including those interred outside of formal cemeteries?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: Based on an analysis of County of San Diego archaeology resource files, archaeological records, maps, and aerial photographs by County of San Diego staff archaeologist, Gay Hilliard, on March 19, 2008, it has been determined that the project will not disturb any human remains because the project site does not include a formal cemetery or any archaeological resources that might contain interred human remains. In addition, prior grading of the project site has eliminated any potential for the presence of interred human remains.

VI. GEOLOGY AND SOILS -- Would the project:

- a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:
- i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project is not located in a fault rupture hazard zone identified by the Alquist-Priolo Earthquake Fault Zoning Act, Special Publication 42, Revised 1997, Fault-Rupture Hazards Zones in California, or located within any other area with substantial evidence of a known fault. Therefore, there will be no impact from the exposure of people or structures to adverse effects from a known fault-rupture hazard zone as a result of this project.

- ii. Strong seismic ground shaking?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The proposed project is the replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length. No new buildings or structures are proposed as part of the project. Therefore, the project will *not* result in a potentially significant impact from the exposure of people or structures to potential adverse effects from strong seismic ground shaking.

- iii. Seismic-related ground failure, including liquefaction?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project site is not within a "Potential Liquefaction Area," as identified in the County Guidelines for Determining Significance for Geologic Hazards. This indicates that the geologic environment of the project site is not susceptible to ground failure from seismic activity. In addition, the site is not underlain by poor artificial fill or located within a mapped floodplain. Therefore, there will be no impact from the exposure of people or structures to adverse effects from a known area susceptible to ground failure, including liquefaction.

iv. Landslides?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project site is not within a "Landslide Susceptibility Area," as identified in the County Guidelines for Determining Significance for Geologic Hazards. Landslide Susceptibility Areas were developed based on landslide risk profiles included in the *Multi-Jurisdictional Hazard Mitigation Plan, San Diego, CA* (URS, 2004). Landslide risk areas from this plan were based on data including steep slopes (greater than 25%); soil series data (SANDAG based on USGS 1970s series); soil-slip susceptibility from USGS; and Landslide Hazard Zone Maps (limited to western portion of the County) developed by the California Department of Conservation, Division of Mines and Geology (DMG). Also included within Landslide Susceptibility Areas are gabbroic soils on slopes steeper than 15% in grade because these soils are slide prone. Since the project is not located within an identified Landslide Susceptibility Area and the geologic environment has a low probability to become unstable, the project would have no impact from the exposure of people or structures to potential adverse effects from landslides.

b) Result in substantial soil erosion or the loss of topsoil?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: According to the Soil Survey of San Diego County prepared by the US Department of Agriculture, Soil Conservation and Forest Service dated December 1973, the soils on-site are identified as Fallbrook sandy loam, 5%-9% slopes, eroded (FaC2) that has a soil erodibility rating of "slight". The proposed project is replacement and improvement of the drainage facilities at the intersection of Tavern Road and Arnold Way. The current drainage facility consists of one CMP approximately two feet (2') in

diameter; which will be replaced by a six foot (6') x three foot (3') double box culvert approximately 127 feet (127') in length. The new box culvert will be placed in the same location as the previous CMP culvert, backfilled, and paved over. The project will not result in unprotected erodible soils; will not significantly alter existing drainage patterns; and will not develop steep slopes. However, the project is required to comply with the San Diego County Code of Regulations, Title 8, Zoning and Land Use Regulations, Division 7, Sections 87.414 (DRAINAGE - EROSION PREVENTION) and 87.417 (PLANTING). Due to these factors, it has been found that the project will not result in substantial soil erosion or the loss of topsoil.

- c) Will the project produce unstable geological conditions that will result in adverse impacts resulting from landslides, lateral spreading, subsidence, liquefaction or collapse?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Less Than Significant With Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

No Impact: The project is not located on or near geological formations that are unstable or would potentially become unstable as a result of the project. Topography on and around the project site is relatively flat. For further information refer to VI Geology and Soils, Question a., i-iv listed above.

- d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Less Than Significant With Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

No Impact: The project does not contain expansive soils as defined by Table 18-1-B of the Uniform Building Code (1994). The soils on-site are Fallbrook sandy loam, 5%-9% slopes, eroded (FaC2). These soils have a shrink-swell behavior of low and represent no substantial risks to life or property. Therefore, the project will not create a substantial risk to life or property. This was confirmed by staff review of the Soil Survey for the San Diego Area, prepared by the US Department of Agriculture, Soil Conservation and Forest Service dated December 1973. In addition, the project does not propose to construct any structures.

- e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length. The new box culvert will be placed in the same location as the existing pipe culvert. The project does not propose any septic tanks or alternative wastewater disposal systems since no wastewater will be generated.

VII. HAZARDS AND HAZARDOUS MATERIALS -- Would the project:

- a) Create a significant hazard to the public or the environment through the routine transport, storage, use, or disposal of hazardous materials or wastes or through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project will not create a significant hazard to the public or the environment because it does not propose the storage, use, transport, emission, or disposal of Hazardous Substances, nor are Hazardous Substances proposed or currently in use in the immediate vicinity. In addition, the project does not propose to demolish any existing structures onsite. Therefore would not create a hazard related to the release of asbestos, lead based paint or other hazardous materials from demolition activities.

- b) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: Although the project is located within one-quarter mile of an existing school (Alpine Elementary School), the project does not propose the

handling, storage, or transport of hazardous materials. Therefore, the project will not have any effect on an existing or proposed school.

- c) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, or is otherwise known to have been subject to a release of hazardous substances and, as a result, would it create a significant hazard to the public or the environment?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project site is located at the intersection of Tavern Road and Arnold Way, within the Alpine Community Planning Area, an unincorporated portion of San Diego County. The project site is not included in any of the following lists or databases: the State of California Hazardous Waste and Substances sites list, compiled pursuant to Government Code Section 65962.5.; the San Diego County Hazardous Materials Establishment database; the San Diego County DEH Site Assessment and Mitigation (SAM) Case Listing; the Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program Database ("CalSites" Envirostor Database); the Resource Conservation and Recovery Information System (RCRIS) listing; the EPA's Superfund CERCLIS database; or the EPA's National Priorities List (NPL). Additionally, the project does not propose structures for human occupancy or significant linear excavation within 1,000 feet of an open, abandoned, or closed landfill; is not located on or within 250 feet of the boundary of a parcel identified as containing burn ash (from the historic burning of trash); is not on or within 1,000 feet of a Formerly Used Defense Site (FUDS); does not contain a leaking Underground Storage Tank; and is not located on a site with the potential for contamination from historic uses such as intensive agriculture, industrial uses, a gas station or vehicle repair shop. Therefore, the project would not create a significant hazard to the public or environment.

- d) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is not located within an Airport Land Use Compatibility Plan (ALUCP), a Comprehensive Land Use Plan (CLUP), within a Federal Aviation Administration Height Notification Surface, or within two miles of a public airport. Also, the project does not propose construction of any structure equal to or greater than 150 feet in height, constituting a safety hazard to aircraft and/or operations from an airport or heliport. Therefore, the project will not constitute a safety hazard for people residing or working in the project area.

- e) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is not within one mile of a private airstrip. As a result, the project will not constitute a safety hazard for people residing or working in the project area.

- f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

The following sections summarize the project's consistency with applicable emergency response plans or emergency evacuation plans.

- i. OPERATIONAL AREA EMERGENCY PLAN AND MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN:

Less Than Significant Impact: The Operational Area Emergency Plan is a comprehensive emergency plan that defines responsibilities, establishes an emergency organization, defines lines of communications, and is designed to be part of the statewide Standardized Emergency Management System. The Operational Area Emergency Plan provides guidance for emergency planning and requires subsequent plans to be established by each jurisdiction that has responsibilities in a disaster situation. The Multi-Jurisdictional Hazard Mitigation Plan includes an overview of the risk assessment process, identifies hazards present in the jurisdiction, hazard profiles,

and vulnerability assessments. The plan also identifies goals, objectives and actions for each jurisdiction in the County of San Diego, including all cities and the County unincorporated areas. The project will not interfere with this plan because it will not prohibit subsequent plans from being established or prevent the goals and objectives of existing plans from being carried out.

ii. SAN DIEGO COUNTY NUCLEAR POWER STATION EMERGENCY
RESPONSE PLAN

No Impact: The San Diego County Nuclear Power Station Emergency Response Plan will not be interfered with by the project due to the location of the project, plant and the specific requirements of the plan. The emergency plan for the San Onofre Nuclear Generating Station includes an emergency planning zone within a 10-mile radius. All land area within 10 miles of the plant is not within the jurisdiction of the unincorporated County and as such, a project in the unincorporated area is not expected to interfere with any response or evacuation.

iii. OIL SPILL CONTINGENCY ELEMENT

No Impact: The Oil Spill Contingency Element will not be interfered with because the project is not located along the coastal zone or coastline.

iv. EMERGENCY WATER CONTINGENCIES ANNEX AND ENERGY SHORTAGE
RESPONSE PLAN

No Impact: The Emergency Water Contingencies Annex and Energy Shortage Response Plan will not be interfered with because the project does not propose altering major water or energy supply infrastructure, such as the California Aqueduct.

v. DAM EVACUATION PLAN

No Impact: The Dam Evacuation Plan will not be interfered with because the project is not located within a dam inundation zone.

- g) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in

length. The new box culvert will be placed in the same location as the existing pipe culvert. The proposed project is completely surrounded by urbanized areas and/or irrigated lands and no wildlands are adjacent to the project. The project will not expose people or structures to a significant risk of loss, injury or death involving hazardous wildland fires.

- h) Propose a use, or place residents adjacent to an existing or reasonably foreseeable use that would substantially increase current or future resident's exposure to vectors, including mosquitoes, rats or flies, which are capable of transmitting significant public health diseases or nuisances?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length. The existing CMP does not adequately convey storm flows through the project area. The new box culvert will better convey storm flows through the area, reducing the potential for standing water. Therefore, the project will not substantially increase current or future resident's exposure to vectors, including mosquitoes, rats or flies.

VIII. HYDROLOGY AND WATER QUALITY -- Would the project:

- a) Violate any waste discharge requirements?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length; which requires a NPDES General Construction Permit and a Water Quality Certification, both from the CA Regional Water Quality Control Board. The project is required to implement site design measures and/or source control BMPs and/or treatment control BMPs as appropriate to reduce potential pollutants to the maximum extent practicable from entering storm water runoff. These measures will enable the project to meet waste discharge requirements as required by the Land-Use Planning for New Development and Redevelopment Component of the San Diego Municipal Permit (SDRWQCB Order No. R9-2007-0001), as implemented by the San Diego County Jurisdictional Urban Runoff Management Program (JURMP) and Standard Urban Storm Water Mitigation Plan (SUSMP).

Finally, the project's conformance to the waste discharge requirements listed above ensures the project will not create cumulatively considerable water quality impacts related to waste discharge because, through the permit, the project will conform to Countywide watershed standards in the JURMP and SUSMP, derived from State regulation to address human health and water quality concerns. Therefore, the project will not contribute to a cumulatively considerable impact to water quality from waste discharges.

- b) Is the project tributary to an already impaired water body, as listed on the Clean Water Act Section 303(d) list? If so, could the project result in an increase in any pollutant for which the water body is already impaired?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The project lies in the Alpine (907.33) hydrologic subarea, within the San Diego hydrologic unit. According to the Clean Water Act Section 303(d) list, July 2003, a portion of this watershed at the Pacific Ocean and mouth of the San Diego River is impaired for coliform bacteria. Constituents of concern in the San Diego watershed include coliform bacteria, total dissolved solids, nutrients, petroleum chemicals, toxics, and trash.

The project proposes the following activities that are associated with these pollutants: construction activities including grading that could cause sediment and soils to be released off site and carried downstream from the project. However, site design measures and/or source control BMPs and/or treatment control BMPs will be employed such that potential pollutants will be reduced in any runoff to the maximum extent practicable so as not to increase the level of these pollutants in receiving waters. These measures include but are not limited to silt fencing, check dams, and straw waddles.

The proposed BMPs are consistent with regional surface water and storm water planning and permitting process that has been established to improve the overall water quality in County watersheds. As a result the project will not contribute to a cumulative impact to an already impaired water body, as listed on the Clean Water Act Section 303(d). Regional surface water and storm water permitting regulation for County of San Diego, Incorporated Cities of San Diego County, and San Diego Unified Port District includes the following: Order R9-2007-0001 (NPDES No. CAS 0108758), adopted by the San Diego Region RWQCB on January 24, 2008; County Watershed Protection, Storm Water Management, and Discharge Control Ordinance (WPO) (Ord. No. 9424) adopted on February 20, 2002, and amended January 10, 2003 (Ordinance No. 9426) and March 12, 2008 (Ordinance No. 9926). The stated purposes of these ordinances are to protect the health, safety and general welfare of the County of San Diego residents; to protect water resources and to improve water quality; to cause the use of management practices by the County and its citizens that will reduce the adverse

effects of polluted runoff discharges on waters of the state; to secure benefits from the use of storm water as a resource; and to ensure the County is compliant with applicable state and federal laws. Ordinance Nos. 9424 and 9926 have discharge prohibitions, and requirements that vary depending on type of land use activity and location in the County. The amended WPO (Ordinance Nos. 9424 & 9926) sets out in more detail, what Dischargers must do to comply with the Ordinance and to receive permits for projects and activities that are subject to the Ordinance. Collectively, these regulations establish standards for projects to follow which intend to improve water quality from headwaters to the deltas of each watershed in the County. Each project subject to WPO is required to prepare a Stormwater Management Plan that details a project's pollutant discharge contribution to a given watershed and propose BMPs or design measures to mitigate any impacts that may occur in the watershed.

- c) Could the proposed project cause or contribute to an exceedance of applicable surface or groundwater receiving water quality objectives or degradation of beneficial uses?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length.

The Regional Water Quality Control Board has designated water quality objectives for waters of the San Diego Region as outlined in Chapter 3 of the Water Quality Control Plan (Plan). The water quality objectives are necessary to protect the existing and potential beneficial uses of each hydrologic unit as described in Chapter 2 of the Plan.

The project lies in the Alpine hydrologic subarea (907.33), within the San Diego hydrologic unit that has the following existing and potential beneficial uses for inland surface waters, coastal waters, reservoirs and lakes, and ground water: municipal and domestic supply; agricultural supply; industrial process supply, industrial service supply; hydropower generation; contact water recreation; non-contact water recreation; warm freshwater habitat; cold freshwater habitat; wildlife habitat; commercial and sport fishing; estuarine habitat; marine habitat; migration of aquatic organisms; shellfish harvesting; and, rare, threatened, or endangered species habitat.

The project proposes the following potential sources of polluted runoff: construction activities including grading that could cause sediment and soils to be released off site and carried downstream from the project. However, site design measures and/or source control BMPs and/or treatment control BMPs will be employed to reduce potential pollutants in runoff to the maximum extent practicable, such that the proposed project will not cause or contribute to an exceedance of applicable surface or

groundwater receiving water quality objectives or degradation of beneficial uses. The proposed BMPs for construction include, but are not limited to: silt fencing, check dams, and straw waddles. A detailed list of BMPs as well as their implementation will be included in Stormwater Pollution Prevention Plan.

In addition, the proposed BMPs are consistent with regional surface water, storm water and groundwater planning and permitting process that has been established to improve the overall water quality in County watersheds. As a result, the project will not contribute to a cumulatively considerable exceedance of applicable surface or groundwater receiving water quality objectives or degradation of beneficial uses. Refer to Section VIII., Hydrology and Water Quality, Question b, for more information on regional surface water and storm water planning and permitting process.

- d) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length. The project will not use groundwater for any purpose. Therefore, no impact to groundwater resources is anticipated.

- e) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length. Minor erosion or siltation may occur during construction activities. The project is required to implement site design measures and/or source control BMPs and/or treatment control BMPs as appropriate to reduce potential pollutants to the maximum extent practicable from entering storm water runoff. These

measures include, but are not limited to silt fencing, check dams, and straw waddles. These measures will control erosion and sedimentation and satisfy waste discharge requirements as required by the Land-Use Planning for New Development and Redevelopment Component of the San Diego Municipal Permit (SDRWQCB Order No. R9-2007-0001), as implemented by the San Diego County Jurisdictional Urban Runoff Management Program (JURMP) and Standard Urban Storm Water Mitigation Plan (SUSMP). The SWMP specifies and describes the implementation process of all BMPs that will address equipment operation and materials management, prevent the erosion process from occurring, and prevent sedimentation in any onsite and downstream drainage swales. The Department of Public Works will ensure that the Plan is implemented as proposed. Due to these factors, it has been found that the project will not result in significantly increased erosion or sedimentation potential and will not alter any drainage patterns of the site or area on- or off-site. In addition, because erosion and sedimentation will be controlled within the boundaries of the project, the project will not contribute to a cumulatively considerable impact. For further information on soil erosion refer to VI., Geology and Soils, Question b.

- f) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project does not involve construction of new or expanded development that could alter the drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site. The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length. The resulting box culvert will adequately convey *existing* flows.

- g) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length in order to adequately convey storm flows. The new box culvert has been designed to adequately convey these storm flows. The project does not propose to create or contribute runoff water that would exceed the capacity of existing or planned storm water drainage systems.

h) Provide substantial additional sources of polluted runoff?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The project proposes the following potential sources of polluted runoff: construction activities. However, the site design measures and/or source control BMPs and/or treatment control BMPs will be employed such that potential pollutants will be reduced in runoff to the maximum extent practicable. Refer to VIII Hydrology and Water Quality Questions a, b, c, for further information.

i) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary, Flood Insurance Rate Map, or other flood hazard delineation map, including County Floodplain Maps?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant: Drainage swales, which are mapped on a FEMA floodplain map, a County Floodplain Map, or have a watershed greater than 25 acres were identified downstream of the project site. However, the project is not proposing to place structures with a potential for human occupation within these areas and will not place access roads or other improvements which will limit access during flood events or affect downstream properties. The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length; which will better convey large storm flow events.

- j) Place within a 100-year flood hazard area structures; which would impede or redirect flood flows?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant: Approximately 200 feet downstream of the project site is a drainage swale; which is identified as being a 100-year flood hazard area. The proposed project is replacement of an existing two-foot (2') CMP with a six-foot (6') by three-foot (3') double box culvert approximately 127 feet (127') in length; which will better convey large storm flow events. The new box culvert will be placed in the same location as the old CMP pipe. The resulting drainage structure will be able to adequately convey existing flows through the area. However, the project is not proposing to place structures, access roads or other improvements which will impede or redirect flood flows in these areas.

- k) Expose people or structures to a significant risk of loss, injury or death involving flooding?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project site lies outside any identified special flood hazard area. Therefore, the project will not expose people to a significant risk of loss, injury or death involving flooding.

- l) Expose people or structures to a significant risk of loss, injury or death involving flooding as a result of the failure of a levee or dam?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project site lies outside a mapped dam inundation area for a major dam/reservoir within San Diego County. In addition, the project is not located immediately downstream of a minor dam that could potentially flood the property. Therefore, the project will not expose people to a significant risk of loss, injury or death involving flooding.

m) Inundation by seiche, tsunami, or mudflow?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

i. SEICHE

No Impact: The project site is not located along the shoreline of a lake or reservoir; therefore, could not be inundated by a seiche.

ii. TSUNAMI

No Impact: The project site is located more than a mile from the coast; therefore, in the event of a tsunami, would not be inundated.

iii. MUDFLOW

No Impact: Mudflow is type of landslide. The site is not located within a landslide susceptibility zone. The geologic environment of the project area has a low probability to be located within an area of potential or pre-existing conditions that could become unstable in the event of seismic activity. In addition, though the project does propose land disturbance that will expose unprotected soils, the project is not located downstream from unprotected, exposed soils within a landslide susceptibility zone. Therefore, it is not anticipated that the project will expose people or property to inundation due to a mudflow.

IX. LAND USE AND PLANNING -- Would the project:

a) Physically divide an established community?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project does not propose the introduction of new infrastructure such major roadways or water supply systems, or utilities to the area. Therefore, the proposed project will not significantly disrupt or divide the established community.

b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific

plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The project is in conformance with all applicable land use policies and regulatory agencies with jurisdiction over the project, including the Clean Water Act, CA Fish and Game Code, local policies and ordinances, including the County's Multiple Species Conservation Program.

X. MINERAL RESOURCES -- Would the project:

- a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The project site has been classified by the California Department of Conservation – Division of Mines and Geology (Update of Mineral Land Classification: Aggregate Materials in the Western San Diego Production-Consumption Region, 1997) as an area of "Potential Mineral Resource Significance" (MRZ-3). However, the project site is surrounded by densely developed land uses including high density residential and commercial uses; which are incompatible to future extraction of mineral resources on the project site. In addition, the new drainage facility will be located in the same location as the existing CMP culvert. Therefore, implementation of the project will not result in the loss of availability of a known mineral resource that would be of value since the mineral resource has already been lost due to incompatible land uses.

- b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project site is zoned RU15 and C36; which is not considered to be an Extractive Use Zone (S-82) nor does it have an Impact Sensitive Land Use Designation (24) with an Extractive Land Use Overlay (25) (County Land Use Element, 2000). Therefore, no potentially significant loss of availability of a known mineral resource of locally important mineral resource recovery (extraction) site delineated on a local general plan, specific plan or other land use plan will occur as a result of this project.

XI. NOISE -- Would the project result in:

- a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant Impact: The project is for an unmanned facility that does not support any noise-generating equipment. Based on a site visit completed by DPW ESU staff on February 8, 2008, the surrounding area supports residential and commercial uses. The project will not expose people to potentially significant noise levels that exceed the allowable limits of the County of San Diego General Plan, County of San Diego Noise Ordinance, and other applicable standards.

General Plan – Noise Element

The County of San Diego General Plan, Noise Element, Policy 4b addresses noise sensitive areas and requires an acoustical study to be prepared for any use that may expose noise sensitive areas to noise in excess of a Community Noise Equivalent Level (CNEL) of 60 decibels (dBA). Moreover, if the project is in excess of CNEL 60 dB(A), modifications must be made to the project to reduce noise levels. Noise sensitive areas include residences, hospitals, schools, libraries or similar facilities where quiet is an important attribute. The project proposes the replacement of exciting drainage feature within the same location. Project implementation is not expected to expose existing or planned noise sensitive areas to long-term permanent noise in excess of the CNEL 60 dB(A). The project will only generate noise during the construction phase. As discussed below, noise generated by construction will be in conformance with the standards set forth within Section 36-410 of the County's Noise Ordinance. This is based on staff's review of projected County noise contour maps (CNEL 60 dB(A) contours). Therefore, the project will not expose people to potentially significant noise levels that exceed the allowable limits of the County of San Diego General Plan, Noise Element.

Noise Ordinance – Section 36-404

Non-transportation noise generated by the project is not expected to exceed the standards of the County of San Diego Noise Ordinance (Section 36-404) at or beyond the project's boundary. The site is zoned RS 7 and S80 that has a one-hour average sound limit of 50 dB(A). In addition, the project is proposing the replacement of an existing drainage feature in the same location within Tavern Road and Arnold Way. Traffic will continue to drive over the culvert not resulting in any additional noise.

Noise Ordinance – Section 36-410

The project will not generate construction noise that may exceed the standards of the County of San Diego Noise Ordinance (Section 36-410). Construction operations will occur only during permitted hours of operation pursuant to Section 36-410. Also, it is not anticipated that the project will operate construction equipment in excess of an average sound level of 75dB between the hours of 7 AM and 7 PM.

Finally, the project's conformance to the County of San Diego General Plan (Noise Element, Policy 4b) and County of San Diego Noise Ordinance (Section 36-404 and 36.410) ensures the project will not create cumulatively considerable noise impacts, because the project will not exceed the local noise standards for noise sensitive areas; and the project will not exceed the applicable noise level limits at the property line or construction noise limits, derived from State regulation to address human health and quality of life concerns. Therefore, the project will not contribute to a cumulatively considerable exposure of persons or generation of noise levels in excess of standards established in the local general plan, noise ordinance, and applicable standards of other agencies.

b) Exposure of persons to or generation of excessive groundborne vibration or ground borne noise levels?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project does not propose any of the following land uses that can be impacted by groundborne vibration or groundborne noise levels.

1. Buildings where low ambient vibration is essential for interior operation, including research and manufacturing facilities with special vibration constraints.
2. Residences and buildings where people normally sleep including hotels, hospitals, residences and where low ambient vibration is preferred.
3. Civic and institutional land uses including schools, churches, libraries, other institutions, and quiet office where low ambient vibration is preferred.
4. Concert halls for symphonies or other special use facilities where low ambient vibration is preferred.

Also, the project does not propose any major, new or expanded infrastructure such as mass transit, highways or major roadways or intensive extractive industry that could generate excessive groundborne vibration or groundborne noise levels on-site or in the surrounding area.

- c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project is for an unmanned facility that does not support any noise-generating equipment. Therefore, the project would not result in a substantial permanent increase in existing ambient noise levels in the project vicinity.

- d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation

No Impact: The project is for an unmanned facility that does not support any noise-generating equipment. Also, the temporary increase over existing ambient levels for general construction noise is not expected to exceed the construction noise limits of the County of San Diego Noise Ordinance (Section 36-410); which are derived from State regulation to address human health and quality of life concerns. Construction operations will occur only during permitted hours of operation pursuant to Section 36-410. Also, it is not anticipated that the project will operate construction equipment in excess of 75 dB for more than an 8 hours during a 24-hour period. Therefore, the project would not result in a substantial temporary or periodic increase in existing ambient noise levels in the project vicinity.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is not located within a Comprehensive Land Use Plan (CLUP) for airports or within 2 miles of a public airport or public use airport. Therefore, the project will not expose people residing or working in the project area to excessive airport-related noise levels.

- f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is not located within a one-mile vicinity of a private airstrip; therefore, the project will not expose people residing or working in the project area to excessive airport-related noise levels.

XII. POPULATION AND HOUSING -- Would the project:

- a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is replacement and improvement of the drainage facilities at the intersection of Tavern Road and Arnold Way. The current drainage facility consists of one CMP approximately two feet (2') in diameter; which will be replaced by a six foot (6') x three foot (3') double box culvert approximately 127 feet (127') in length. The current facility is undersized and is unable to accommodate the existing 100-year storm flows in the area. The upgraded culvert in this area will not induce substantial population growth in this area as it is being designed to handle the existing conditions. In addition, the surrounding area has been largely built out.

The proposed project will not induce substantial population growth in an area because the project does not propose any physical or regulatory change that would remove a restriction to or encourage population growth in an area including, but not limited to the following: new or extended infrastructure or public facilities; new commercial or industrial facilities; large-scale residential development; accelerated conversion of homes to commercial or multi-family use; or regulatory changes including General Plan amendments, specific plan amendments, zone reclassifications, sewer or water annexations; or LAFCO annexation actions.

- b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation

No Impact: The proposed project is the replacement of an existing 24-inch CMP culvert beneath Tavern Road in Alpine. The project will not displace any existing housing since the site is located within the road right-of-way for Tavern Road, as well as within an existing drainage easement. Additional drainage easements will need to be acquired from the properties on the upstream and downstream sides of the culvert. The easements will not result in the displacement of any homes.

- c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is the replacement of an existing 24-inch CMP culvert beneath Tavern Road in Alpine. The project will not displace any existing housing since the site is located within the road right-of-way for Tavern Road, as well as within an existing drainage easement. Additional, drainage easements will need to be acquired from the properties on the upstream and downstream sides of the culvert. The easements will not result in the displacement of any people.

XIII. PUBLIC SERVICES

- a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause

significant environmental impacts in order to maintain acceptable service ratios, response times or other performance service ratios, response times or other performance objectives for any of the public services:

- i. Fire protection?
- ii. Police protection?
- iii. Schools?
- iv. Parks?
- v. Other public facilities?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is replacement and improvement of the drainage facilities at the intersection of Tavern Road and Arnold Way. The current drainage facility consists of one CMP approximately two feet (2') in diameter; which will be replaced by a six foot (6') x three foot (3') double box culvert approximately 127 feet (127') in length. The project does not involve the construction of new or physically altered governmental facilities including, but not limited to fire protection facilities, sheriff facilities, schools, or parks in order to maintain acceptable service ratios, response times, other performance service ratios or objectives for any public services. Therefore, the project will not have an adverse physical effect on the environment because the project does not require new or significantly altered services or facilities to be constructed.

XIV. RECREATION

- a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project proposes drainage improvements at the intersection of Tavern Road and Arnold Way. The project does not propose any residential use, included but not limited to a residential subdivision, mobilehome park, or construction for a single-family residence that may increase the use of existing neighborhood and regional parks or other recreational facilities in the vicinity.

- b) Does the project include recreational facilities or require the construction or expansion of recreational facilities; which might have an adverse physical effect on the environment?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project proposes drainage improvements at the intersection of Tavern Road and Arnold Way. The project does not include recreational facilities or require the construction or expansion of recreational facilities. Therefore, the construction or expansion of recreational facilities will not have an adverse physical effect on the environment.

XV. TRANSPORTATION/TRAFFIC -- Would the project:

- a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less than Significant Impact: The project proposes drainage improvements at the intersection of Tavern Road and Arnold Way and would not result in a long-term increase in traffic volumes or capacities along these two roads. The proposed project would generate short-term traffic during construction. Short-term traffic would include transport of heavy construction equipment to and from the project site, truck traffic associated with hauling construction components and materials to the site and removal of spoils and/or debris, and construction workers commuting to and from the construction site. As a worst case scenario, 50 trips per day would be added to the existing ADT during construction, with 10 being heavy trucks and 40 being automobiles.

Project will be constructed in two phases to minimize traffic effects during construction. The west side (downstream) side of tavern will be closed to install the first half of the project, while keeping two lanes of traffic open (one for each direction) on the east side. The opposite will be done for Phase 2. The construction area will be protected by K-Rail, and the lanes will be created by temporary striping, cones, and signage.

The project does not propose any additional permanent ADTs; therefore, the proposed project will have no long term direct or cumulative impact on the existing traffic load and capacity of the street system.

- b) Exceed, either individually or cumulatively, a level of service standard established by the County congestion management agency and/or as identified by the County of San Diego Transportation Impact Fee Program for designated roads or highways?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project proposes drainage improvements at the intersection of Tavern Road and Arnold Way. The proposed project would generate short-term traffic during construction. Short-term traffic would include transport of heavy construction equipment to and from the project site, truck traffic associated with hauling construction components and materials to the site and removal of spoils and/or debris, and construction workers commuting to and from the construction site. However, the proposed project will have no direct or cumulative impact on the level of service standard established by the County congestion management agency for designated roads or highways.

- c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is located outside of an Airport Influence Area and is not located within two miles of a public or public use airport. Therefore, the project will not result in a change in air traffic patterns.

- d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project will not permanently alter traffic patterns, roadway design, place incompatible uses (e.g., farm equipment) on existing roadways, or create or place curves, slopes or walls; which impede adequate sight distance on a road.

However, the project will be constructed in two phases for traffic control purposes. The west side (downstream) side of tavern will be closed to install the first half of the project, while keeping two lanes of traffic open (one for each direction) on the east side. The opposite will be done for Phase 2. The construction area will be protected by K-Rail, and the lanes will be created by temporary striping, cones, and signage which will minimize hazards related to the temporary change in traffic patterns.

e) Result in inadequate emergency access?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project will not result in inadequate emergency access. The project is the replacement of existing drainage facilities. The new drainage facilities will be constructed in the same place as the existing drainage facilities. Therefore, the project will not impede emergency access to adjacent neighborhoods or park.

f) Result in inadequate parking capacity?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: No on-site or off-site parking is required or proposed. The proposed project is the replacement of an existing 24-inch CMP culvert with a double box culvert at the intersection of Tavern Road and Arnold Way. Therefore, the project will not result in insufficient parking on or off-site.

g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is the replacement of an existing 24-inch CMP culvert with a double box culvert. The project will not result in any construction or new road design features; therefore, will not conflict with policies regarding alternative transportation.

XVI. UTILITIES AND SERVICE SYSTEMS -- Would the project:

- a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Less Than Significant With Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

No Impact: The project proposes drainage improvements at the intersection of Tavern Road and Arnold Way. The project does not involve any uses that will discharge any wastewater to sanitary sewer or on-site wastewater systems (septic). Therefore, the project will not exceed any wastewater treatment requirements.

- b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Less Than Significant With Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

No Impact: The project proposes drainage improvements at the intersection of Tavern Road and Arnold Way. The project does not include new or expanded water or wastewater treatment facilities that could cause significant environmental effects.

- c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Less Than Significant With Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

No Impact: The project proposes drainage improvements at the intersection of Tavern Road and Arnold Way. The project proposes replacement of an existing 24-inch CMP culvert with a double box culvert to be placed in the same location because the existing drainage facility does not properly convey stormwater flows from large storm events. The double box culvert is designed to adequately convey the existing 100-year storm flows. In addition, the project has not been designed to allow for increased flows due to additional residential, commercial, or industrial uses. Therefore, the project will not require any construction of new or expanded facilities to convey more than existing flows, which could cause significant environmental effects.

- d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The project proposes drainage improvements at the intersection of Tavern Road and Arnold Way. The proposed project does not involve or require water services from a water district. The project is the replacement of an existing drainage facility that does rely on water service for any purpose.

- e) Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is the replacement of an existing 24-inch CMP culvert with a double box culvert; therefore, the project will not interfere with any wastewater treatment providers service capacity.

- f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

No Impact: The proposed project is the replacement of an existing 24-inch CMP culvert with a double box culvert and will not generate any solid waste nor place any burden on the existing permitted capacity of any landfill or transfer station within San Diego County.

- g) Comply with federal, state, and local statutes and regulations related to solid waste?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less than Significant Impact: Implementation of the project will generate solid waste during the construction phase of the project. All solid waste facilities, including landfills require solid waste facility permits to operate. In San Diego County, the County Department of Environmental Health, Local Enforcement Agency issues solid waste facility permits with concurrence from the California Integrated Waste Management Board (CIWMB) under the authority of the Public Resources Code (Sections 44001-44018) and California Code of Regulations Title 27, Division 2, Subdivision 1, Chapter 4 (Section 21440et seq.). The project will deposit all solid waste at a permitted solid waste facility and therefore, will comply with Federal, State, and local statutes and regulations related to solid waste.

XVII. MANDATORY FINDINGS OF SIGNIFICANCE:

- a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

- | | |
|--|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input checked="" type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

Less Than Significant With Mitigation Incorporated: Per the instructions for evaluating environmental impacts in this Initial Study, the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species,

cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory were considered in the response to each question in sections IV and V of this form. In addition to project specific impacts, this evaluation considered the projects potential for significant cumulative effects. Resources that have been evaluated as significant would be potentially impacted by the project, particularly impacts to jurisdiction waters of the ACOE and State of California. However, mitigation has been included that clearly reduces these effects to a level below significance. Mitigation for project impacts will consist of creation/enhancement of 0.013 acre of ACOE and 0.023 acre of CDFG jurisdictional unvegetated streambed, a ratio of 2:1, within an unvegetated portion of the channel upstream of the proposed project site or at another suitable location within the same watershed. In addition, impacts to three (3) oak trees to be removed will be replaced on-site at a ratio of 3:1.

As a result of this evaluation, there is no substantial evidence that, after mitigation, significant effects associated with this project would result. Therefore, this project has been determined not to meet this Mandatory Finding of Significance.

- b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

- | | |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact |

Discussion/Explanation:

The following list of past, present and future projects were considered and evaluated as a part of this Initial Study:

PROJECT NAME	PERMIT/MAP NUMBER
Kasitz Tentative Map	TM 5435
Alpine Creek Longs Drug Stored	STP 90-078-01
Fire Station 17	STP 02-075
Alpine Creek Shopping Center	STP 99-034

Per the instructions for evaluating environmental impacts in this Initial Study, the potential for adverse cumulative effects were considered in the response to each question in sections I through XVI of this form. In addition to project specific impacts, this evaluation considered the projects potential for incremental effects that are cumulatively considerable. As a result of this evaluation, there is no substantial evidence that there are cumulative effects associated with this project. Therefore, this project has been determined not to meet this Mandatory Finding of Significance.

- c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?

- | | |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact |

Discussion/Explanation:

In the evaluation of environmental impacts in this Initial Study, the potential for adverse direct or indirect impacts to human beings were considered in the response to certain questions in sections I. Aesthetics, III. Air Quality, VI. Geology and Soils, VII. Hazards and Hazardous Materials, VIII Hydrology and Water Quality XI. Noise, XII. Population and Housing, and XV. Transportation and Traffic. As a result of this evaluation, there is no substantial evidence that there are adverse effects on human beings associated with this project. Therefore, this project has been determined not to meet this Mandatory Finding of Significance.

XVIII. REFERENCES USED IN THE COMPLETION OF THE INITIAL STUDY CHECKLIST

All references to Federal, State and local regulation are available on the Internet. For Federal regulation refer to <http://www4.law.cornell.edu/uscode/>. For State regulation refer to www.leginfo.ca.gov. For County regulation refer to www.amlegal.com. All other references are available upon request.

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- | | |
|---|---|
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US Department of Transportation, Federal Highway Administration (FHWA) Visual Impact Assessment for Highway Projects.